Je932 U.S. P

Please type a plus sign (+) inside this box - + Under the paperwork Reduction Act of 1995, no persons are required to resp	PTO/SB/05 (4/98) Approved for use through 09/30/2000 OMB 0651-0032 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE cound to a collection of information unless it displays a valid OMB control number Attorney Docket No. H16-26318							
UTILITY	First Inventor Aravind Padmanabhan							
PATENT APPLICATION	Thornward Microsoppor Made of Ontimal							
TRANSMITTAL	Title Robust Fluid Flow and Property Microscusor Made of Optimial Material							
27 OFR \$152(b))	Express Mail Label No. EM217283195US O							
(Only for new nonprovisional applictions under 37 C.F.R. § 1.53(b))	Assistant Commissioner for Panents							
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Box Patent Application Washington DC 20231							
1. X *Fee Transmittal Form (e.g. PTO/SB/17)	6. Nucleotide and/or Amino Acid Sequence Submission							
(Submit an original and a duplicate for fee processing)	(If applicable, all necessary)							
2 ⋈ Specification Total Pages (18)	a Computer Readable Copy							
(preferred arrangement set forth below)	h Paper Copy (identical to computer copy)							
 Descriptive title of the invention Cross References to Related Applications 	c. Statement verifying identity of above copies							
- Cross References to Related Approximate -Statement Regarding Fed sponsored R & D	TO A PARTY OF THE							
-Reference to Microfiche Appendix	ACCOMPANYING APPLICATION PARTS							
-Background of the Invention								
Cil. Insention	7. Assignment Papers (cover sheet & document(s))							
-Brief Description of the Drawings (if filed)	8. 37 C.F.R. § 3.73(b) Statement Power of (when there is an assignee) Attorney							
-Detailed Description	(when there is an assignee) Attorney 9. English Translation Document (if applicable)							
-Brief Summary of the Invention -Brief Description of the Drawings (if filed) -Detailed Description -Claim(s) -Abstract of the Disclosure	10. Information Disclosure Copies of IDS							
3. Zi Informal Drawing(s) (35 U.S.C. 113) Total Sheets (5)	Statement (IDS)/PTO-1449 . Citations							
4. S Oath or Declaration (Unexecuted)	11 Preliminary Amendment							
a. Newly executed (original or copy)	12. Return Receipt Postcard (MPEP 503)							
b= Copy from a prior application (37 C.F.R. § 1.63(d))	(Should be specifically itemized) 13. *Small Entity Statement filed in prior application							
I TO DELETION OF INVENTOR(S)								
Signed statement attached deleting inventor(s) named in the	(PTO/SR/00-12)							
application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).	14. Certified Copy of Priority Document(s)							
	(if foreign priority is claimed)							
*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMAI	Other: Check in the amount of \$906.00							
EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED OF ON (5)								
§ 128). 16. If a CONTINUING APPLICATION, check appropriate box, and supply	the requisite information below and in a preliminary amendment:							
Continuation in no	art (CIP) of prior application no.: 09/207,103 filed December 7,							
Continuation Divisional Continuation-in-pa	filed August 5, 1999							
Prior application information: Examiner: Group / Art Unit: Group / Art Unit: For CONTINUATION or DIVISIONAL only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is								
For CONTINUATION or DIVISIONAL only: The entire disclosure of the	e prior application, from which an oath of declaration is supplied an oath of declaration is supplied incorporation							
For CONTINUATION or DIVISIONAL only: The entire disclosure of the prior application, from which an oath of detallation is supported by reference. The incorporation considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation considered a part of the disclosure of the accompanying continuation or divisional application.								
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Address State	Zip Code							
Courter	Fax							
Name (Print/Type) Craig J. Lervick R	Registration No. (Attorney/Agent) 35,244							
Signature Crang J. Letter	Date Sept. 7, 2000							
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PTO/SB/17 (12/99)
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FEE TRANSMITTAI Complete if Known **Application Number** for FY 2000 Filing Date Patent fees are subject to annual revision. First Named Inventor Small Entity payments must be supported by a small entity statement, **Examiner Name** otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28. Group / Art Unit TOTAL AMOUNT OF PAYMENT (\$) 2/3/0 1111

		1	ALLUI	ney i	Jocket	No. 1416-26518	
	METHOD OF PAYMENT (check one)				F	EE CALCULATION (continued)	
	The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account 15–0627	Larg Fee		Sma Fee	AL FE III Entity Fee e (\$)	y	Fee Paid
	Number	105	130	205	65	Surcharge - late filing fee or oath	
	Deposit Oppenheimer Wolff & Donnelly LLP	127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
- [Name Donnerry ELF	139	130	139	130	Non-English specification	i
	Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17	147	2,520	147	2,520	For filing a request for reexamination	
ł	2. X Payment Enclosed:	112	920°	112	920°	Requesting publication of SIR prior to Examiner action	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Check Order Other	113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
	FEE CALCULATION	115	110	215	55	Extension for reply within first month	
: : :		116	380	216	190	Extension for reply within second month	
	1. BASIC FILING FEE Large Entity Small Entity	117	870	217	435	Extension for reply within third month	
	Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	118	1,360	218	680	Extension for reply within fourth month	
		128	1,850	228	925	Extension for reply within fifth month	
1	101 690 201 345 Utility filing fee 106 310 206 155 Design filing fee	119	300	219	150	Notice of Appeal	
==	107 480 207 240 Plant filing fee	120	300	220	150	Filing a brief in support of an appeal	
#	108 690 208 345 Reissue filing fee	121	260	221	130	Request for oral hearing	•
J	114 150 214 75 Provisional filing fee	138	1,510	138	1,510	Petition to institute a public use proceeding	
1,1		140	110	240	55	Petition to revive - unavoidable	
±	SUBTOTAL (1) (\$) 690	141	1,210	241	605	Petition to revive - unintentional	
ų.	2. EXTRA CLAIM FEES	142	1,210	242	605	Utility issue fee (or reissue)	
5	Fee from Fee Paid	143	430	243	215	Design issue fee	
Ĵ	Total Claims 32 -20" = 12 x 78 = 216.	144	580	244	290	Plant issue fee	
- 1	Independent - 3** = X = =	122	130	122	130	Petitions to the Commissioner	
	Multiple Dependent = =	123	50	123	50	Petitions related to provisional applications	
1	**or number previously paid, if greater, For Reissues, see below Large Entity Small Entity	126	240	126	240	Submission of Information Disclosure Stmt	
	Fee Fee Fee Fee Description Code (\$) Code (\$)	581	40	581	40	Recording each patent assignment per property (times number of properties)	
1	103 18 203 9 Claims in excess of 20	146	690	246	345	Filing a submission after final rejection (37 CFR § 1.129(a))	
١	102 78 202 39 Independent claims in excess of 3	149	690	249	345	For each additional invention to be	
1	104 260 204 130 Multiple dependent claim, if not paid					examined (37 CFR § 1.129(b))	
	109 78 209 39 ** Reissue independent claims over original patent	Other	Other fee (specify)				
	110 18 210 9 ** Reissue daims in excess of 20 and over original patent	Other fee (specify)					
	SUBTOTAL (2) (\$)216.00	Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)					
SUBMITTED BY Complete (if applicable)							
Name (Print/Type) Craig J. Lervick Registration No. (Attorney/Agent)						35,244 Telephone 612-607-7	7387
l	Signature					Dale 9-7-00	ر د

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.